

Trace 9

Class Consensus Sequences

```

CLASS1      WTIGRRR...GCDLSFPS.NKL.....VSGDHC---VDEA4.VTLEDTS.T-GTVIN..KL-VVA3.T-PL--GD-IYLV
CLASS2(KAPP) ITLGRV...PPSD..LVLKDE.....VSGKHA-INWN.A5.WE-VDMGSLNGTF-NS...AVA12PAELA-GDIITLG
CLASS3      TSAGRH...PDS..IFLDD.....VTVSRRAEFR--.A3.F-VVDVGS LNGTYV NREP VDSA....VLA.NGDEVQIG
CLASS4      TTAGRH...PESD..IFLDD.....VTVSRRAEFRIN.A3.FEVVDVGS LNGTYV NREP RN-Q....V-Q.TGDEIQIG
CLASS5      NI-GRG...QDAQ..FRLPD TG.....VSRRLH.EIRW.A4.AL-DLNSTNGTIVMNA...PV4A....LADGDVIRLG
CLASS6      NIIGRS...NDAD..LRLPD TG.....VSRQH-.EITW.A4.AILVDLKSTNGTTVNDT...PV4A....LADGDVITVG
CLASS7      VLI GRA...DDST..LVLTDY.....AS-RHARLS...A5.WYVEDLGSTNGTYLD....RAA3TAVRVP-GTPVRIG
CLASS8      Y-VGR....KNC-ILIENDQS.....ISRNHAVL-VNFA13L-IKDN.SKYGTF-N.....EA6LS-TLKTGDRVTFG
CLASS9      YLFGRE...RRIAD.IPTDHPS.....CSKQHAVIQYR.A16PYIMDLGSTNKTYYIN--P---A1.--E-----
CLASS10     HIFGRQ...---CD.FVL DHQS.....VSRQHAAVVP.H.A4.I-VIDLGS-HGTFVANERLTKDA1.PVELEVGS LRFA
CLASS11     YWFG R...DKSCEYCFD-PLL-RTDKYRT..YSKKHFRIFRE-A7.-Y-EDH.SGNGTFVNTEL-GKG A1.R-PL-NNSEIALS
CLASS12     YVFG R...DKKCDYTFDIPVLNQTD RYKT..YSKRHFRIFQEL A7.A-IEDL.SGNGTFVNKEIIGKGA1.TLPLTNNAEIALS
CLASS13     FVCGRG S-DAPT NFMS.-VA-DVGLY-F..ISKIQFSIDRDTA4.IYLHDH.SRNGTLVN-EMIGKGA1.SRELMNGDLISI-
CLASS14     C--GS-SH-NIPGKS-V-PLPQ.....VSEM HARS-K.A3.FFVTDLRSEHGTW-TDN.EGRR A6FPTRFHPSD-IEFG
CLASS15     ITLGR...ATKDNQIDVDL-LEGPA...WKISRKQGVIKL..A5.FFIANE G.RRPYIDGRPVL-G..KW-L-NNSVVEIA
CLASS16     VLLGR...ATGEYPVDIDLGRSGSE...TRFSRRQALIKL..A5.FEIKNLG.KFSIWMNDEEINH G..EVVILKN NCLIQ--
CLASS17     IILGR...NSKK-TVDVDLSSLGGG...M-ISR-HARIFYD.A5.F-LEVLG.KNGC-VEGVHLPG.NP--KLD SQDLLQIG
Summary     X--GX---XXXX--XX-XXX-----X-XXXX-X-X---X-XXXXXXXXX-X-----X-----X-XX-XX--

```

Class1: Q8BJZ9
Class1: Q8BWH4
Class1: Chfr_Human

Class2: KAPP_Rice
Class2: KAPP_Maize

Class3: YI27_M.tuberculosis
Class3: O32919
Class3: Q9RP36
Class3: Q8G9M6

Class4: Q8FTJ5
Class4: Q8NQJ3

Class5: Q50190
Class5: P71590

Class6: Q8NU92
Class6: Q8FUH9

Class7: Q50189
Class7: P71589

Class8: Nbs1_Rat
Class8: O88981

Class9: Q9LJU3
Class9: At3g20550
Class10: Q8H4Y5
Class10: At5g47790

Class11: CHK2_Mouse
Class11: Q9R0I9
Class11: CHK2_Human

Class12: Q9I8V3
Class12: Q98TW0

Class13: Q9XTX3
Class13: Q9GR99

Class14: ABA2_Tobacco
Class14: ABA2_Tomato

Class15: TOJ3_Quail
Class15: MCS1_Human

Class16: Q9IQZ6
Class16: At1g75530

Class17: Q8GXA6
Class17: At3g07220
Class17: At3g07260
Class17: NtFHA1_Tobacco